

Claims:

1. A method for measuring reaction results of a sample using a biosensor comprising two working electrodes
5 and one reference electrode, comprising the steps of:

sequentially supplying the respective working electrodes with power supply voltage;

sequentially detecting the amounts of current flowing in the respective working electrodes by virtue of
10 the supplied power supply voltage;

re-supplying the two working electrodes with power supply voltage to redetect the amounts of current flowing in the respective working electrodes;

reading concentrations corresponding to the amounts
15 of current detected from a memory, and calculating an average value from the read concentrations; and

checking whether or not the concentrations read from the memory are within a predetermined critical range to display an error message or the calculated average value.

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2. The method for measuring reaction results of a sample as set forth in claim 1, further comprising the steps of:

determining whether or not an error is generated, by
25 measuring a time interval from when the amount of current

flowing in the first working electrode is detected to when the amount of current flowing in the second working electrode is detected and by measuring the respective amounts of current detected; and

5 displaying the generated error.

3. An apparatus for measuring reaction results of a sample using a biosensor comprising two working electrodes and one reference electrode, comprising:

10 one or more operational amplifiers for detecting the amounts of current flowing in the respective working electrodes and outputting the amounts of current as voltage values, non-inverting terminals of the respective operational amplifiers being connected to a voltage source,
15 and inverting terminals of the respective operational amplifiers being connected to one side of each of switches;
a second switch for grounding the reference electrode of the biosensor;

a third switch for grounding one of the working
20 electrodes of the biosensor;

a display for displaying reaction results of the sample and an error message; and

a microprocessor, the microprocessor controlling the switches to supply the two working electrodes with power
25 supply voltage, examining whether or not the sample reaches

the electrodes, controlling the switches to resupply the
two working electrodes with power supply voltage, reading
the concentrations corresponding to detected voltage
values, calculating an average value from the read
5 concentrations, comparing the average value with the
respective concentrations, and displaying an error message
or the calculated average value.